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PN - JP57143103 A 19820904
PD - 1982-09-04
PR - JP19810027729 19810227
OPD - 1981-02-27
TI - VIBRATION DAMPER FOR ROTOR VANE
IN - HAYASHIDA MORIHIRO
PA - MITSUBISHI HEAVY IND LTD
EC - F01D5/16
IC - F01D5/16

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AB - PURPOSE: To increase damping force and decrease vibration stresses in such a way that plates equipped with tooth-brush shaped bosses are inserted opposite to each other at the hollow part in a rotor vane, and friction force can be produced in contact with the bosses due to vibration of the rotor vane.
- CONSTITUTION: For example, plate 2a, 2b equipped with innumerable bosses 3 made of steel wires are inserted opposite to each other into the hollow part 4 provided in a rotor vane 1. When the rotor vane 1 vibrates, friction force is produced by contacting the bosses one another. In consequence, damping is produced due to friction force on the rotor vane 1, and since the damping is increased by the lot, vibration stresses are decreased, anti-vibration intensity of the rotor vane 1 can be increased.
I - F01D5/16